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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/202,549A

DATE: 2001-08-22  
TIME: 11:11

Input File: A:\PTO\_VSK.txt

Input File: N:\CRF3\09072001\I202549A.raw

```

110> APPLICANT: Tish, Philip
111> Grimes, Leimohn III H
112> Zweidler-McKay, Patrick
113> 1200> TITLE OF INVENTION: NUCLEIC ACID MOLECULE FOR ENHANCING GENE EXPRESSION
114> 1300> FILE REFERENCE: F00000-11
115> 1400> CURRENT APPLICATION NUMBER: US 09/202,549A
C--> 23 <141> CURRENT FILING DATE: 2001-08-22
116> 1500> PRIOR APPLICATION NUMBER: F00000-11
117> 1600> PRIOR FILING DATE: 1997-06-17
118> 1700> PRIOR APPLICATION NUMBER: US 09/202,549A
119> 1800> PRIOR FILING DATE: 1996-06-17
120> 1900> NUMBER OF SEQ ID NOS: 14
121> 2000> SOFTWARE: Patent version 3.1
122> 2100> SEQ ID NO: 1
123> 2110> LENGTH: 12
124> 2120> TYPE: DNA
125> 2130> ORGANISM: Artificial Sequence
126> 2200> FEATURE:
127> 2210> OTHER INFORMATION: Gff-1 binding sequence
128> 2220> FEATURE:
129> 2230> NAME/KEY: misc feature
130> 2240> LOCATION: (1)..(12)
131> 2250> OTHER INFORMATION: "n" is any nucleotide
132> 2260> FEATURE:
133> 2270> NAME/KEY: misc feature
134> 2280> LOCATION: (3)..(9)
135> 2290> OTHER INFORMATION: "n" is any nucleotide
136> 4000> SEQUENCE: 1
W--> 82 naaatcacng ca 12
137> 2100> SEQ ID NO: 2
138> 2110> LENGTH: 12
139> 2120> TYPE: DNA
140> 2130> ORGANISM: Artificial Sequence
141> 2200> FEATURE:
142> 2210> OTHER INFORMATION: Gff-1 binding sequence
143> 2220> FEATURE:
144> 2230> NAME/KEY: misc feature
145> 2240> LOCATION: (1)..(12)
146> 2250> OTHER INFORMATION: "n" is "-" or "."
147> 4000> SEQUENCE: 1
W--> 110 taaatcacng ca 12
148> 2100> SEQ ID NO: 3
149> 2110> LENGTH: 12
150> 2120> TYPE: DNA
151> 2130> ORGANISM: Artificial Sequence
152> 2200> FEATURE:
153> 2210> OTHER INFORMATION: Gff-1 binding sequence
154> 2220> FEATURE:
155> 2230> NAME/KEY: misc feature
156> 2240> LOCATION: (1)..(12)
157> 2250> OTHER INFORMATION: "n" is "-" or "."
158> 4000> SEQUENCE: 1

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## RAW SEQUENCE LISTING

PATENT AFFILIATION: US/09/202,549A

DATE: 2009-09-01

TIME: 11:01

Input File: A:\PTO\_VSK.txt

Output File: N:\CRF3\09072001\I202549A.raw

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117 <21> FEATURE:
118 <211> NAME/KEY: misc_feature
119 <212> LOCATION: 1..1
120 <213> OTHER INFORMATION: "a" is any nucleotide
121 <214> FEATURE:
122 <221> NAME/KEY: misc_feature
123 <222> LOCATION: 1..1
124 <223> OTHER INFORMATION: "a" is any nucleotide
125 <224> FEATURE:
126 <231> NAME/KEY: misc_feature
127 <232> LOCATION: 1..1
128 <233> OTHER INFORMATION: "a" is "c" "g" or "t", or is absent, or is an
oligonucleotide of
129 two or more nucleotides
130 <234> FEATURE:
131 <241> NAME/KEY: misc_feature
132 <242> LOCATION: 1..1
133 <243> OTHER INFORMATION: "a" is "c" "g" or "t", or is absent, or is an
oligonucleotide of
134 two or more nucleotides
135 <244> FEATURE:
136 <251> NAME/KEY: misc_feature
137 <252> LOCATION: 1..1
138 <253> OTHER INFORMATION: "a" is "c" "g" or "t", or is absent, or is an
oligonucleotide of
139 two or more nucleotides
140 <400> SEQUENCE: 3
W--> 181 nnnnnnacng ca 12
141 <210> SEQ ID NO: 4
142 <211> LENGTH: 24
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
145 <214> FEATURE:
146 <223> OTHER INFORMATION: Gfi-1 binding sequence
147 <224> FEATURE:
148 <231> NAME/KEY: misc_feature
149 <232> LOCATION: 1..1
150 <233> OTHER INFORMATION: "a" is "a" or "c"
151 <234> FEATURE:
152 <241> NAME/KEY: misc_feature
153 <242> LOCATION: 1..1
154 <243> OTHER INFORMATION: "a" is "inosine" or "c"
155 <244> FEATURE:
156 <251> NAME/KEY: misc_feature
157 <252> LOCATION: 1..1
158 <253> OTHER INFORMATION: "a" is "a" or "c"
159 <400> SEQUENCE: 4
W--> 229 anaaaaaiaaa tcacngcata tgcc 24
160 <210> SEQ ID NO: 5
161 <211> LENGTH: 24
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/202,549A

DATE: 09/07/01

TIME: 11:11

Input File: A:\PTO\_VSK.txt

Output File: N:\CRF3\09072001\I202549A.raw

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141 <200> FEATURE:
144 <210> OTHER INFORMATION: Gfi-1 binding sequence
146 <400> SEQUENCE: 7
147 atcatcaccg cctaaatgac cctaaatgac ggc
150 <210> SEQ ID NO: 7
152 <211> LENGTH: 15
154 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
162 <230> OTHER INFORMATION: Gfi-1 binding oligonucleotide
164 <400> SEQUENCE: 6
165 atcatcaccg cctaaatgac cctaaatgac ggc
168 <210> SEQ ID NO:
170 <211> LENGTH: 24
172 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
180 <230> OTHER INFORMATION: Gfi-1 binding oligonucleotide
182 <400> SEQUENCE: 7
183 caccacatag atcactgccc atcc
186 <210> SEQ ID NO: 8
188 <211> LENGTH: 24
190 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
198 <230> OTHER INFORMATION: Gfi-1 binding oligonucleotide
200 <400> SEQUENCE: 8
201 caccacatag atcactgccc atcc
204 <210> SEQ ID NO: 9
206 <211> LENGTH: 24
208 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
216 <230> OTHER INFORMATION: Gfi-1 binding oligonucleotide
218 <400> SEQUENCE: 9
219 caccacatag atcactgccc atcc
222 <210> SEQ ID NO: 10
224 <211> LENGTH: 24
226 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
234 <230> OTHER INFORMATION: Gfi-1 binding oligonucleotide
236 <400> SEQUENCE: 10
237 caccacatag atcactgccc atcc
240 <210> SEQ ID NO: 11
242 <211> LENGTH: 24
244 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:

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## RAW SEQUENCE LISTING

PATENT APPLICATION NO: US/09/202,549A

DATE: 09/07/2001

TIME: 14:01

Input File : A:\PTO\_VSK.txt

Output File : N:\CRF3\09072001\I202549A.raw

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353 <213> OTHER INFORMATION: Grl-1 binding sequence
354 <400> SEQUENCE: 12
355 gaccacatga atgattatg atg
356 <210> SEQ ID NO: 11
357 <211> LENGTH: 30
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
361 <223> OTHER INFORMATION: Grl-1 binding sequence
362 <400> SEQUENCE: 12
363 gccacacatga atgattatg atg gacacacatga atgattatg atgattatg 60
364 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 120
365 atgacacatt gacacatgag acattccatt gacacatgag gacacatgag atgattatg 180
366 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 240
367 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 300
368 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 360
369 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 420
370 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 480
371 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 500
372 <210> SEQ ID NO: 13
373 <211> LENGTH: 300
374 <212> TYPE: DNA
375 <213> ORGANISM: Artificial Sequence
376 <220> FEATURE:
377 <223> OTHER INFORMATION: Grl-1 binding sequence
378 <400> SEQUENCE: 12
379 gccacacatga atgattatg atg gacacacatga atgattatg atgattatg 60
380 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 120
381 atgacacatt gacacatgag acattccatt gacacatgag gacacatgag atgattatg 180
382 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 240
383 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 300
384 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 360
385 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 420
386 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 480
387 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 500
388 <210> SEQ ID NO: 14
389 <211> LENGTH: 300
390 <212> TYPE: DNA
391 <213> ORGANISM: Artificial Sequence
392 <220> FEATURE:
393 <223> OTHER INFORMATION: Grl-1 binding sequence
394 <400> SEQUENCE: 12
395 gccacacatga atgattatg atg gacacacatga atgattatg atgattatg 60
396 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 120
397 atgacacatt gacacatgag acattccatt gacacatgag gacacatgag atgattatg 180
398 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 240
399 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 300
400 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 360
401 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 420
402 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 480
403 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 500
404 <210> SEQ ID NO: 15
405 <211> LENGTH: 300
406 <212> TYPE: DNA
407 <213> ORGANISM: Artificial Sequence
408 <220> FEATURE:
409 <223> OTHER INFORMATION: Grl-1 binding sequence
410 <400> SEQUENCE: 12
411 gccacacatga atgattatg atg gacacacatga atgattatg atgattatg 60
412 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 120
413 atgacacatt gacacatgag acattccatt gacacatgag gacacatgag atgattatg 180
414 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 240
415 atgacatgag atgattatg atgattatg atgattatg atgattatg atgattatg 300
416 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 360
417 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 420
418 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 480
419 acatagtaac gacacatgag acattccatt gacacatgag gacacatgag atgattatg 500

```

## RAW SEQUENCE LISTING

PATENT APPLICATION NO: US/09/202,549A

DATE: 11/11/09

TIME: 11:11

SEQUENCE FILE: A:\PTO\_VSK.txt

SEQUENCE FILE: N:\CRF3\09072001\I202549A.raw

1. The sequence listing is a text file that contains the raw sequence data for the invention. The sequence data is organized into a table with the following columns: Sequence ID, Sequence Name, Sequence Type, Sequence Length, Sequence Data, and Sequence Quality. The sequence data is organized into a table with the following columns: Sequence ID, Sequence Name, Sequence Type, Sequence Length, Sequence Data, and Sequence Quality.

## VERIFICATION SUMMARY

PATIENT APPLICATION: US/09/202,549A

DATE: 09/07/01

TIME: 11:11:11

Input File: A:\PTO\_VSK.txt

Output File: N:\CRF3\09072001\I202549A.raw

Line M:R:W: Current Filing Date: 09/07/01, replaced: Current Filing Date

Line M:R:W: 40 "1" 1 "Xia" 09/07/01, 1: 0E, 11#1

Line M:R:W: 40 "1" 1 "Xia" 09/07/01, 1: 0E, 11#1

Line M:R:W: 40 "1" 1 "Xia" 09/07/01, 1: 0E, 11#1

Line M:R:W: 40 "1" 1 "Xia" 09/07/01, 1: 0E, 11#1